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ABSTRACT

A smoke detector system with radio frequency (*rf*) communication ability, designed to communicate with smoke detectors in a number of different rooms or areas in same building, by means of radio frequency (*rf*) signal. After the false alarm time delayed period ends, when the existence of smoke is detected, all rooms or areas are alerted of the present of smoke in the building and the individual room where smoke was detected is identified by visual signal on that smoke detector unit. The system can be reset, by manual (*rf*) switch on smoke detectors units or hand held (*rf*) remote control unit switch. System smoke detectors units used in a single building to protect, are (*rf*) tuned code-locked, whereas, they communicate only with smoke detectors units in single building.